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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/004,191	10/31/2001	Roland M. Hochmuth	10017760-1	5760
22879 7590 06/24/2010 HEWLETT-PACKARD COMPANY Intellectual Property Administration 3404 E. Harmony Road Mail Stop 35 FORT COLLINS, CO 80528				
EXAMINER				
NGUYEN, HAU H				
ART UNIT		PAPER NUMBER		
2628				
NOTIFICATION DATE		DELIVERY MODE		
06/24/2010		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

10/004,191

Applicant(s)

HOCHMUTH ET AL.

Examiner

HAU H. NGUYEN

Art Unit

2628

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 April 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 62-70 is/are pending in the application.
- 4a) Of the above claim(s) 62-66 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 67-70 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/C)
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date: _____

DETAILED ACTION

1. A request for continued examination under 37 CFR 1.114 was filed in this application after a decision by the Board of Patent Appeals and Interferences, but before the filing of a Notice of Appeal to the Court of Appeals for the Federal Circuit or the commencement of a civil action. Since this application is eligible for continued examination under 37 CFR 1.114 and the fee set forth in 37 CFR 1.17(e) has been timely paid, the appeal has been withdrawn pursuant to 37 CFR 1.114 and prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 4/26/2010 has been entered.

Election/Restrictions

2. Newly submitted claims 62-66 directed to an invention that is independent or distinct from the invention originally claimed for the following reasons: Claims 62-66 do not include the limitations of the original claims, in particular, do not include the originally claimed display network interface, display frame buffer, and display refresh unit.

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 62-66 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claim 67 is rejected under 35 U.S.C. 102(e) as being anticipated by Perlman et al. (U.S. Patent No. 6,424,342, "Perlman", hereinafter).

As per claim 67, as shown in Figs. 2 and 3, Perlman teaches a system for displaying data, comprising:

a display device coupled to a network, the display device comprising:
a network adapter (46, 48, Fig. 2) configured to receive compressed frame buffer data from at least one source device (58, Fig. 3, col. 7, lines 20-24);
a dedicated decompression unit (60, Fig. 3) for decompressing at least a portion of the frame buffer data;
a dedicated storage unit for storing at least a portion of the decompressed frame buffer data (scan line buffers 62, Figs. 3 and 4, and col. 3, lines 27-34, and col. 7, lines 47-56); and
a display refresh unit for receiving at least a portion of the decompressed frame buffer data (Fig. 4, col. 7, line 57 to col. 8, line 4).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 68-70 are rejected under 35 U.S.C. 103(a) as being unpatentable over Perlman et al. (U.S. Patent No. 6,424,342) in view of Glen et al. (U.S. Patent No. 7,053,863, "Glen", herein after).

As per claim 68, Perlman does not explicitly teach the at least one source device comprises: a network interface; a memory unit comprising a frame buffer coupled to the network interface; and a compression unit adapted to compress data received from the memory unit coupled to the network interface. However, Perlman does explicitly teach the source can be a remote server, and any other source (see col. 7, lines 20-24).

In the exact same field of endeavor, Glen teaches a method of transmitting image data over the network between a source and a destination device, where the transmitted data is decompressed, stored in a frame buffer, and output to a display at the destination device (col. 11, lines 24-34). Glen further teaches the source device comprises as shown in Fig. 3, a network interface (184, 185); a memory unit comprising a frame buffer coupled to the network interface (124); and a compression unit adapted to compress data received from the memory unit coupled to the network interface (col. 10, line 50 to col. 11, line 5).

Therefore, it would have been obvious to one skilled in the art to utilize the method as taught by Glen in combination with the method as taught by Perlman in order to store and compress data before transmission, and thereby reduce network bandwidth.

As per claim 69, although not explicitly taught by Perlman, Glen, as cited above, teaches the at least one source device comprises: a network attachable graphics chip adapted to receive graphics data from a graphics port (Figs. 1a and 1b), the network attachable graphics chip

comprising: a graphics unit (rendering engine 118); a compression unit (col. 10, line 50 to col. 11, line 5); and a network interface (122).

Therefore, it would have been obvious to one skilled in the art to utilize the method as taught by Glen in combination with the method as taught by Perlman in order to store and compress data before transmission, and thereby reduce network bandwidth.

As per claim 70, as cited above in claim 69, although not explicitly taught by Perlman, Glen teaches the at least one source device comprises: a network attachable graphics chip adapted to receive graphics data from a network port, the network attachable graphics chip comprising: a graphics unit; a compression unit; and a network interface. Therefore, it would have been obvious to one skilled in the art to utilize the method as taught by Glen in combination with the method as taught by Perlman in order to store and compress data before transmission, and thereby reduce network bandwidth.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hau H. Nguyen whose telephone number is: 571-272-7787. The examiner can normally be reached on MON-FRI from 8:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee Tung can be reached on (571) 272-7794.

The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Hau H Nguyen/

Primary Examiner, Art Unit 2628